

Registry Report  
40th Street and Indian School Road Site  
Phoenix, Maricopa County, Arizona  
May 8, 1998

Site Description

This is the site of two of seven dry cleaners in the former East Central Phoenix (ECP) Water Quality Assurance Revolving Fund (WQARF) study project, that were discovered by soil gas sampling in October of 1989. The site is on the north side of the intersection of 40th Street and East Indian School road. Groundwater contamination has been detected beneath both of these cleaners. One cleaner is in the Northeast end of the groundwater plume just off 40th street, the other cleaner is in the Southwest end of the plume on Indian School west of 40th Street. Attached to this report is a site boundary map and a file index of source documents.

ADEQ installed four monitor wells around the two cleaners that form the site. AMW2 is 50 ft. up gradient, AMW1 is between the two cleaners, and KMW1 is 50 ft. down gradient of the Southwest cleaner. AMW3 is cross gradient to the plume, and 2,000 ft. south of the site. Recent sample data on these wells is given below. Historical groundwater contamination was reported by Dames & Moore (D&M) in their January 30, 1998 report as 11,000 ug/l of tetrachloroethylene in monitor well AMW1.

Groundwater is about 28 ft. below the surface of the ground (bgs), and flows Southwesterly. Bedrock is about 110 ft. bgs, and slopes slightly downward to the Northwest.

Site History

The monitor wells were sampled in March 1996 and May 1997 with the following results:

		PCE ug/l	
	<u>Position</u>	<u>March 1996</u>	<u>May 1997</u>
AMW2	up gradient 50'	2.4	ND
AMW1	in between the two Cleaners	11,000	1700
KMW1	down gradient 50'	340	400
AMW3	down gradient 2,000' south of site	ND	ND

On May 3, 1997 a program of hydro-punch sampling was initiated in the area. Two hydro-punch samples were taken down gradient of the site about 300 ft. These sample results confirm the results and trend of the monitor well results.

Public Health

No drinking water wells are threatened, the nearest City of Phoenix well (COP #5) is 1½ miles west, and one mile north of the ECP study area (approximately 4 miles from the 40th Street and Indian School Rd. plume).

This site has an E&E score of 20.

### Limitations

This Site Registry Report (SRR) is based upon information available as of the date shown. The SRR is intended as a historical document meeting the public notification requirements of ARS § 49-287.01 (B) and (D). Site boundaries depicted on the attached Site Boundary Maps represent ADEQ's interpretation of data available at the time the maps were constructed. The maps are intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of the SRR. The actual extent of contamination may be different. Therefore the geographic boundaries for this site may change in the future as new information becomes available.

An updated SRR and associated Site Boundary Map will not be issued. As new information becomes available it will be made available for public review through placement in the public file.